

Top Ten Highest Historical Crests: Delaware River at Riegelsville

Latitude: 40.595

Period of Record: 1841-Present

Longitude: -75.19

Flood Stage: 22

Last Flood: 9/9/2011

Total Number of Floods: 40

Date of Flood	Crest (ft)	Streamflow (cfs)	Wx Comments
8/19/1955	38.85	340,000	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
10/10/1903	35.90	275,000	The combination of a cold front from a low pressure system produced a secondary low pressure system produced up to 10 inches of rain in a 24-hour period. Locally heavier amounts of 11.58 and 15 inches reported in parts of New Jersey.
4/4/2005	34.07	262,000	A Maddox Synoptic Type system produced 1-2.5 inches of rainfall over the North Branch Susquehanna and Lower Potomac, and 2-4 inches of rain over New Jersey and Pennsylvania.
6/29/2006	33.62	254,000	A stationary front and thunderstorms brought widespread, but locally heavy rainfall to the area. Total precipitation amounts ranged from 4-6 inches over the Lower Delaware to 9-11 inches over the headwaters of the James.
3/19/1936	32.45	237,000	Two successive rainstorms combined with snowmelt flooded the Eastern Seaboard from Virginia to Maine. A total of 150 to 200 lives were lost and damage estimates were over \$1 million.
9/19/2004	30.95	216,000	The remnants of Hurricane Ivan, combined with a cold front, produced an average rainfall amount of 2-4 inches in NY, 3-7 inches in PA, 1-3.5 inches in NJ and 2 inches in WV.
3/12/1936	29.80	185,000	One to two inches of water equivalent from snowmelt combined with near 3 inches of rainfall to produce flooding and set the stage for the big March 17, 1936 flood event.
1/20/1996	28.72	187,000	Southerly winds, high dewpoints and intense rainfall caused a rapid snowmelt. The resultant flooding was the worst to hit the entire MARFC area since 1972.
9/9/2011	28.06	175,000	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.

Drainage Area: 6328 sq mi

Gage Datum: 125.12 ft MSL

Main Stem Delaware Basin

County of Gage: Warren

County of Forecast Point: Bucks

Date of Flood	Crest (ft)	Streamflow (cfs)	Wx Comments
5/24/1942	27.50	164,000	Periods of heavy rain fell on May 20-23; as much as 5 to 7 inches of rain fell over some of the flood area on May 22

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